KENWOOD

CD PLAYER

DP-M109

INSTRUCTION MANUAL

KENWOOD CORPORATION

COMPACT disc DIGITAL AUDIO

Introduction

Your choice of this product indicates that you are a devotee to excellence in sound reproduction.
We appreciate your patronage and take pride in the long tradition of quality components that our company represents.
So that you can get the most out of your unit, we suggest that you take the time to read through this manual before you hook up and operate your system. This will acquaint you with operating features and system-connection considerations so that your listening pleasure will be enhanced right from the start. You will notice that in all aspects of planning, engineering, styling, operating convenience and adaptability we have sought to anticipate your needs and desires.
Keep this manual handy for future reference.

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your dealer for information or service on this product.
Model _____ Serial Number_____

Unpacking

Unpack the unit carefully and make sure that all accessories are put aside so they will not be lost.
Examine the unit for any possibility of shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage.
We recommend that you retain the original carton and packing materials for use should you transport or ship the unit in the future.

For the USA

CAUTION:

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD CORPORATION
SHIONOGI SHIBUYA BUILDING 17-5,
2-CHOME, SHIBUYA, SHIBUYA-KU,
TOKYO, JAPAN

KENWOOD CORP. CERTIFIES THIS EQUIPMENT CONFORMS TO DHHS REGULATIONS NO. 21 CFR 1040. 10, CHAPTER I, SUBCHAPTER J.

Location: Back Panel

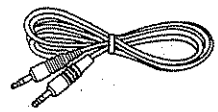
DANGER
INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED.
AVOID DIRECT EXPOSURE TO BEAM.

Location: Inside, near the Laser mechanism.

Accessories

- Audio cord 1

- System control cord . 1 (Except for the U.K. and Europe)



- Magazine ..... 1 (with 6 disc trays)

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Caution: Read the pages marked ⚠ carefully to ensure safe operation.

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⚠ **Caution: Read this page carefully to ensure safe operation.**

Before applying power

For the U.S.A. and Canada

Important!

Units shipped to the U.S.A. and Canada are designed for operation on 120 volts AC only.

Safety precaution for a Polarized AC plug

However, some products may be supplied with a non-polarized plug.

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

For the United Kingdom

Important!

Units shipped to the U.K. are designed for operation on 240 volts AC only.

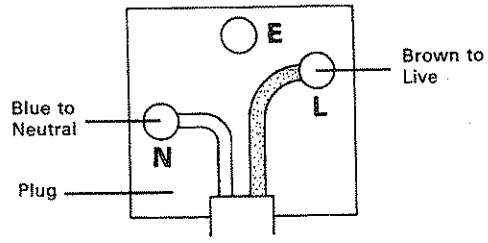
The mains plug must be removed from the wall socket prior to any internal examination.

The wires in this mains lead are coloured in accordance with the following code:

Blue ..... Neutral
Brown ..... Live

The wires in this mains lead must be connected to the terminals in the plug as follows:

Wire colour	**Plug terminal marking**
Blue	N or Black
Brown	L or Red



Notes:

1. If a 13-amp plug is used, this must be fitted with a 5- amp fuse.
2. If a 3-pin plug with earthing contact is used, no wire must be connected to the E terminal.

For Australia and Europe

Important!

Units shipped to Australia are designed for operation on 240 V AC only.

Units shipped to Europe are designed for operation on 220 V AC only.

For other countries

Important!

Units shipped to countries other than the above countries are equipped with an AC voltage selector switch on the rear panel. Refer to the following paragraph for the proper setting of this switch.

AC voltage selection

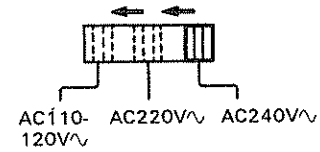
This unit operates on 110-120 or 220-240 volts AC. The AC voltage selector switch Type A or Type B on the rear panel is set to the voltage that prevails in the area to which the unit is shipped. Before connecting the power cord to your AC outlet, make sure that the setting position of this switch matches your line voltage. If not, it must be set to your voltage in accordance with the following direction.

Note:

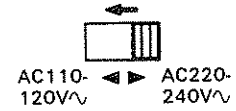
Our warranty does not cover damage caused by excessive line voltage due to improper setting of the AC voltage selector switch.

AC voltage selector switch

Type A



Type B



Move switch lever to match your line voltage with a small screwdriver or other pointed tool.

Safety precautions

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

	CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
	THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.
	THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

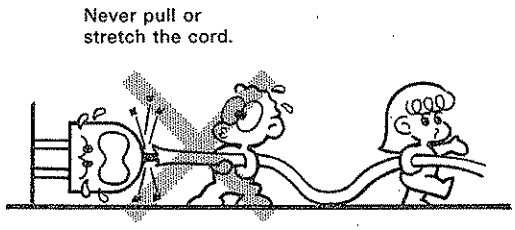
⚠ **Caution: Read this page carefully to ensure safe operation.**

IMPORTANT SAFEGUARDS

Please read all of the safety and operating instructions before operating this unit. For best results, follow all warnings placed on the unit and adhere to the operating and use instructions. These safety and operating instructions should be retained for future reference.

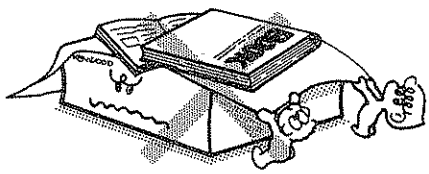
1. **Power sources** – The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

2. **Power-cord protection** – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

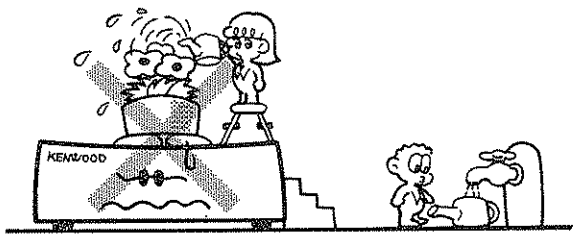


3. **Grounding or polarization** – The precautions should be taken so that the grounding or polarization means of this unit is not defeated.

4. **Ventilation** – The unit should be situated so that its location or position does not interfere with its proper ventilation.
   To maintain good ventilation, do not put records or a table-cloth on the unit. Place the unit at least 10 cm away from the walls.
   Do not use the unit on a bed, sofa, rug or similar surface that may block the ventilation openings.

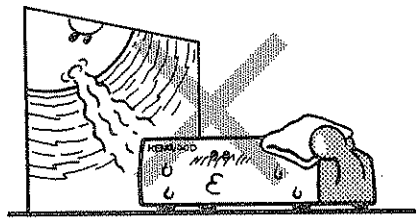


5. **Water and moisture** – The unit should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

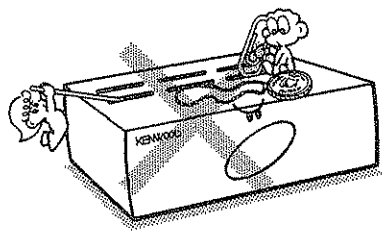


6. **Temperature** – The unit may not function properly if used at extremely low, or freezing temperatures. The ideal ambient temperature is above +5°C (41°F).

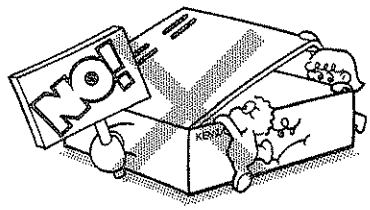
7. **Heat** – The unit should be situated away from heat sources such as radiators, heat registers, stoves, or other units (including amplifiers) that produce heat.



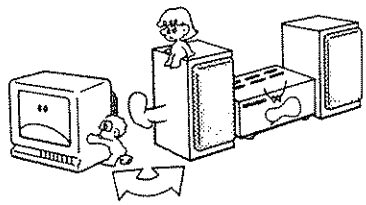
8. **Electric shock** – Care should be taken so that objects do not fall and liquid is not spilled into the enclosure through openings. If a metal object, such as a hair pin or a needle, comes into contact with the inside of this unit, a dangerous electric shock may result. For families with children, never permit children to put anything, especially metal, inside this unit.



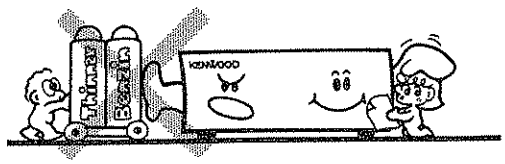
9. **Enclosure removal** – Never remove the enclosure. If the internal parts are touched accidentally, a serious electric shock might occur.



10. **Magnetic fields** – Keep the unit away from sources of magnetic fields such as TV sets, speaker systems, radios, motorized toys or magnetized objects.



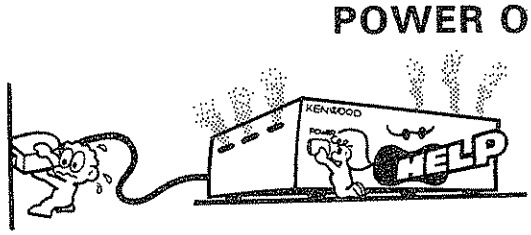
11. **Cleaning** – Do not use volatile solvents such as alcohol, paint thinner, gasoline, or benzine, etc. to clean the cabinet. Use a clean dry cloth.



12. **Carts and stands** – An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

13. **Nonuse periods** – The power cord of the unit should be unplugged from the outlet when left unused for a long period of time.

14. **Abnormal smell** – If an abnormal smell or smoke is detected, immediately turn the power OFF and pull out the power cord. Contact your dealer or nearest service center.



15. **Damage requiring service** – The unit should be serviced by qualified service personnel when:
A. The power-supply cord or the plug has been damaged; or
B. Objects have fallen, or liquid has been spilled into the unit; or
C. The unit has been exposed to rain; or
D. The unit does not appear to operate normally or exhibits a marked change in performance; or
E. The unit has been dropped, or the enclosure damaged.

16. **Servicing** – The user should not attempt to service the unit beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

17. **Outdoor antenna grounding** – If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, ANSI/-NFPA No. 70 – 1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure.

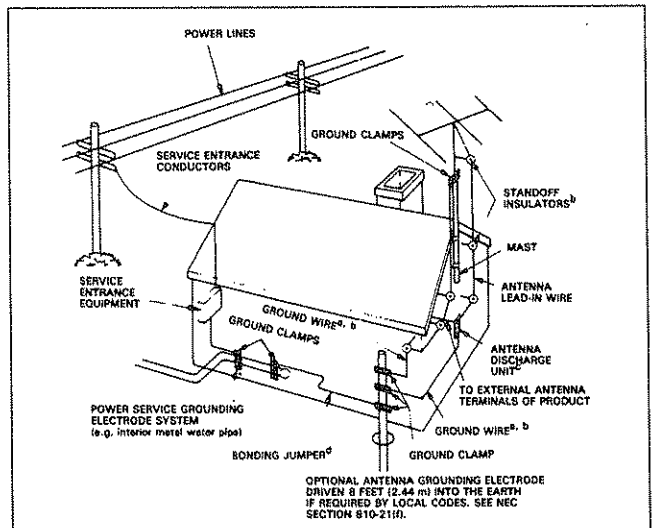

POWER LINES
GROUND CLAMPS
SERVICE ENTRANCE CONDUCTORS
STANDOFF INSULATORS[b]
MAST
SERVICE ENTRANCE EQUIPMENT
ANTENNA LEAD-IN WIRE
GROUND WIRE[a, b]
GROUND CLAMPS
ANTENNA DISCHARGE UNIT[c]
TO EXTERNAL ANTENNA TERMINALS OF PRODUCT
POWER SERVICE GROUNDING ELECTRODE SYSTEM (e.g. interior metal water pipe)
GROUND WIRE[a, b]
BONDING JUMPER[d]
GROUND CLAMP
OPTIONAL ANTENNA GROUNDING ELECTRODE DRIVEN 8 FEET (2.44 m) INTO THE EARTH IF REQUIRED BY LOCAL CODES. SEE NEC SECTION 810-21(j).

FIGURE
EXAMPLE OF ANTENNA GROUNDING ACCORDING TO THE NATIONAL ELECTRICAL CODE INSTRUCTIONS CONTAINED IN ARTICLE 810 – "RADIO AND TELEVISION EQUIPMENT"

[a] Use No.10 AWG (5.3 mm^2) copper, No.8 AWG (8.4 mm^2) aluminum, No.17 AWG (1.0 mm^2) copper-clad steel or bronze wire, or larger, as a ground wire.

[b] Secure antenna lead-in and ground wires to house with stand- off insulators spaced from 4 – 6 feet (1.22 – 1.83 m) apart.

[c] Mount antenna discharge unit as close as possible to where lead-in enters house.

[d] Use jumper wire not smaller than No.6 AWG (13.3 mm^2) copper, or the equivalent, when a separate antenna-grounding electrode is used. See NEC Section 810-21(j).

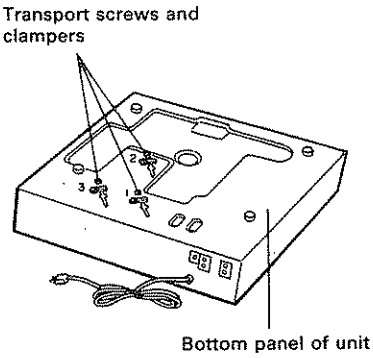
18. **Power lines** – An outdoor antenna should be located away from power lines.

Notes:
1. **Item 3 is not required except for grounded or polarized equipment.**
2. **Item 17 and 18 are not required except for units provided with antenna terminals.**
3. **Item 17 complies with UL-1270 in the U.S.A.**

Before operation

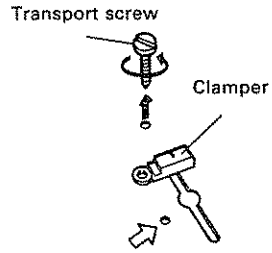
Transport screws and clampers

- Be sure to release and remove the transport screws and the clampers.
- When the unit is to be transported again, re-place the transport clampers to their original positions by following the order from 1, 2 and 3 as shown in the illustration.
- Be sure to remove the magazine or compact disc beforehand.



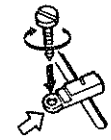
Before using the unit

① Remove the screw.



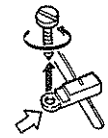
② Move the clamper.

③ Secure the clamper with the screw.

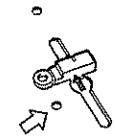


In case of re-transport when moving or requesting servicing.

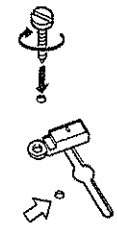
① Remove the transport screw.



② Move the clamper back until it stops.

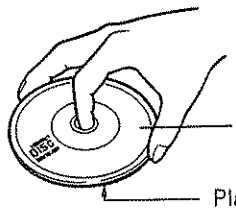


③ Secure the clamper with the screw.

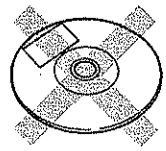


Disc handling precautions

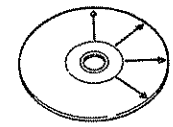
Handling

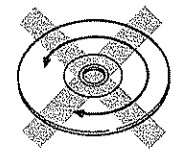


Hold a compact disc so that you do not touch the playing surface.



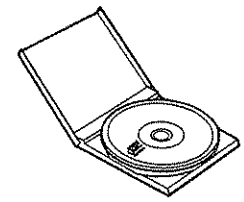
Do not attach paper or tape to either the playing side or the label side of compact discs.





Cleaning

If fingerprints or foreign matter become attached to the disc, lightly wipe the disc with a soft cotton cloth (or similar) from the center of the disc outwards in a radial manner.
Never use chemical solvents, such as thinner, benzine, etc. and conventional record cleanersor aerosols.



Storage

When a disc is not to be played for a long period of time, remove it from the CD player and store it in its case.

Types of disc which can be played with this unit

Disc type	Disc size
CD (general compact disc)	12 cm
CDV (CD with video) audio section	12 cm
CD single	8 cm

The 8 cm CD adaptor on sale cannot be used with this unit. If it is used with this unit, it is possible that the disc or CD player will be damaged.

- In the case of CDV, the time display and music calendar display are all for the audio section only.
- If it is required to place CD single discs using a magazine, please purchase and use the optional CDM-608 CD single disc magazine.

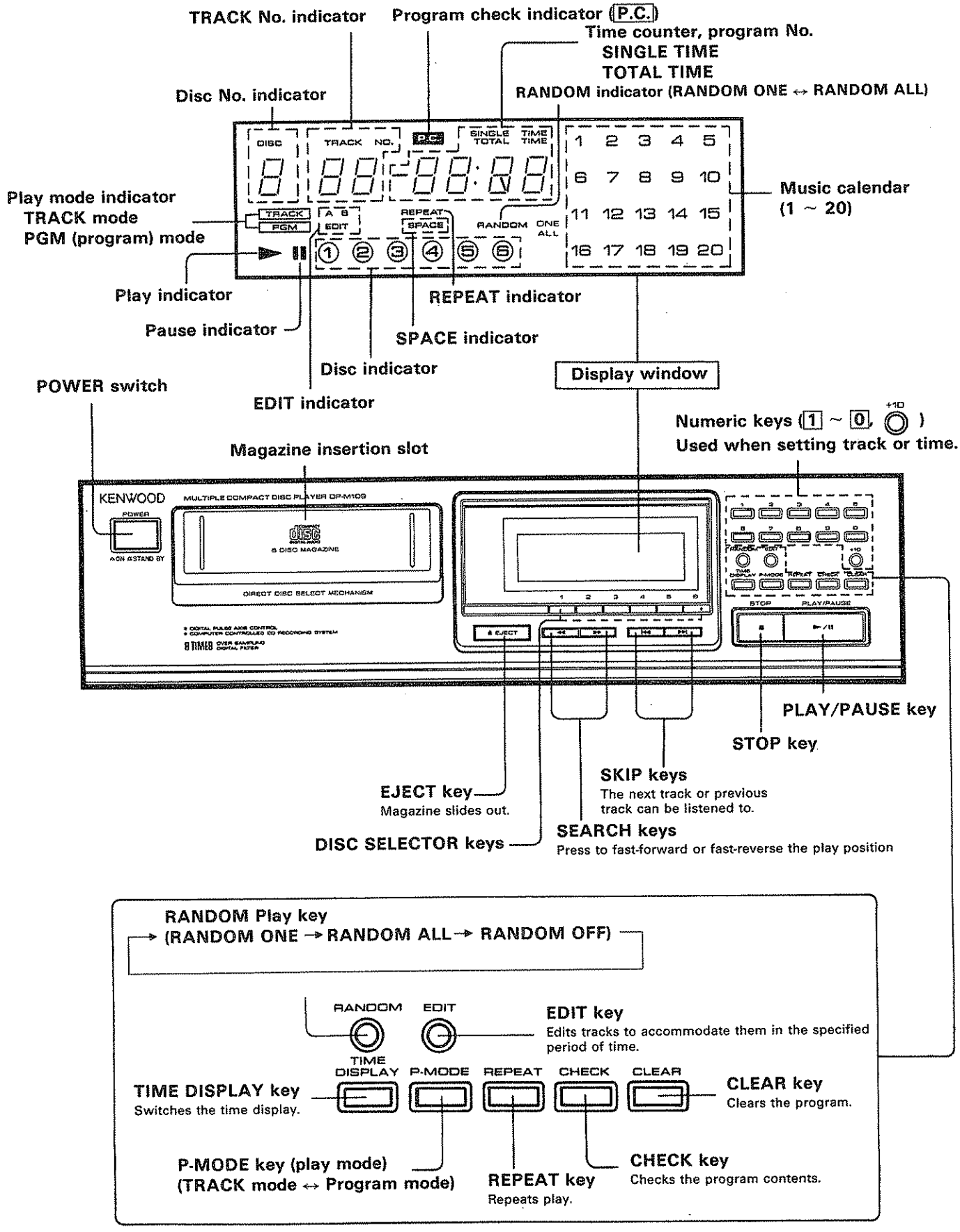
Beware of condensation

When water vapor comes into contact with the surface of cold material, water drops are produced.
If condensation occurs, correct operation may not be possible, or the unit may not function correctly.
This is not a malfunction, however, and the unit should be dried. (To do this, turn the POWER switch ON and leave the unit as it is for several hours.)

Be especially careful in the following conditions:

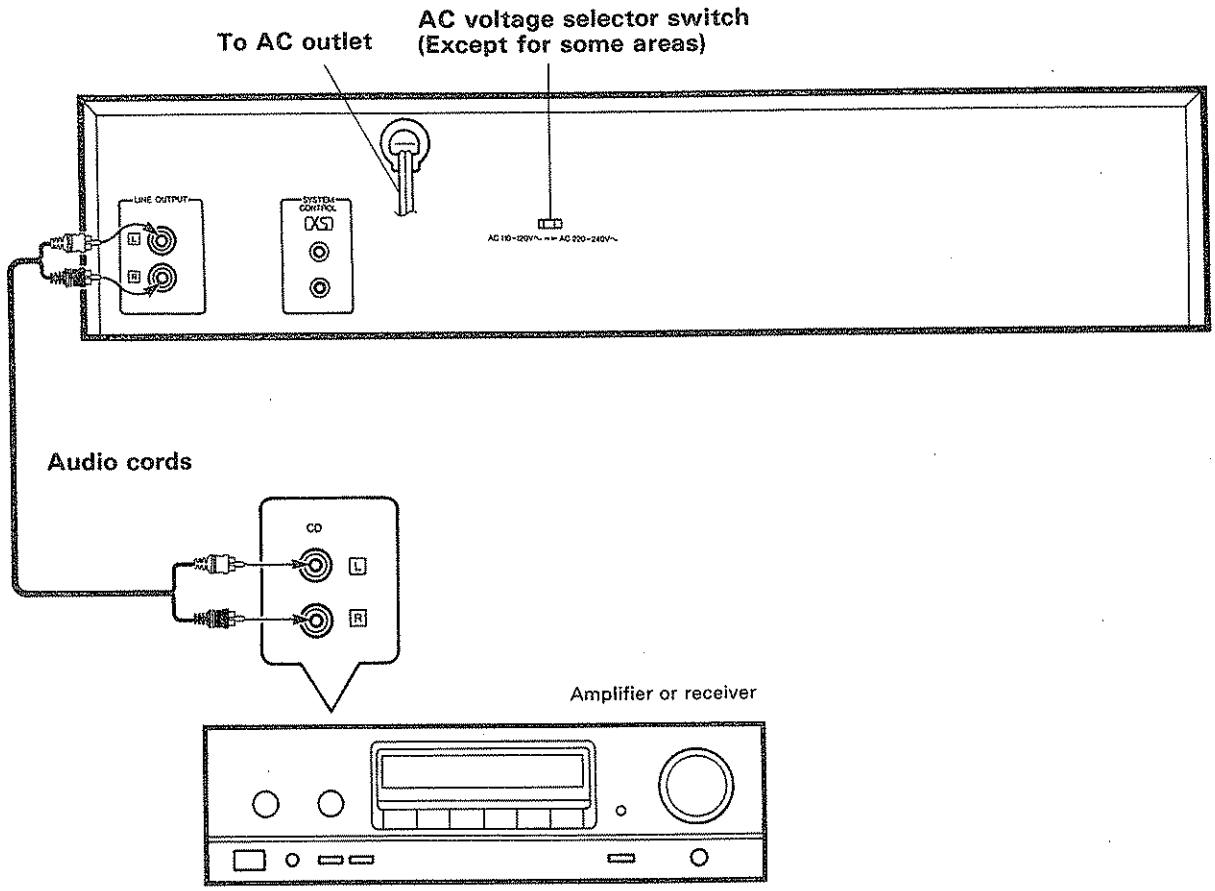
- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating.
- When the unit is brought from an air-conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

Controls and indicators



System connections

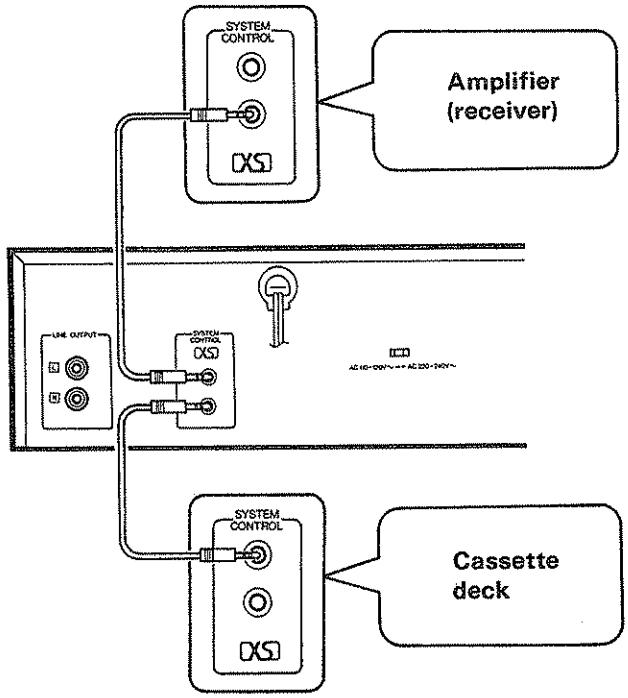
Do not plug the AC power cord into the outlet until all connections are completed. Connect the output jacks of this unit to the input jacks of the amplifier using audio cords. Refer to the instruction manual provided with your amplifier to ensure proper connection.



Notes:

1. Be sure to connect the connection cord(s) securely. If connections are not made securely, sound may not be produced and/or noise may be generated. Improper connections can also cause player misoperation.
2. Before plugging/unplugging connection cords, be sure to switch the power off and set the amplifier's volume control to its minimum position.
   If connection cords are plugged or unplugged without carrying out the above precautions, malfunction or damage may result.

System control connections

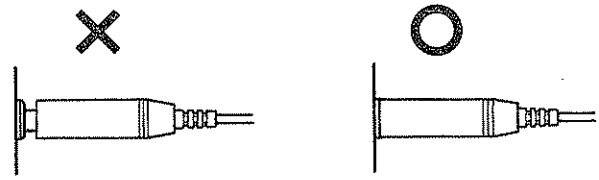


System control connection

When connected to an amplifier having KENWOOD SYSTEM CONTROL terminals, system operation such as remote control is made possible. For details, refer to the instruction manual of the amplifier.

If your amplifier is not equipped with the SYSTEM CONTROL terminals, do not connect anything to any SYSTEM CONTROL terminal.

Do not connect the unit in any system configuration other than specified.



- Be sure to insert the system control cord plugs fully into the SYSTEM CONTROL terminals.
- If the system control cord and audio cords are not connected properly, the automatic system governing remote control and system functions will not operate.

■ CCRS recording

1. Select the CD input with the input selector switch of the amplifier or receiver.
2. Load a CD into the CD player.
3. Insert the tape to be used for recording into the cassette deck.
4. Select the desired DISC No. to record on the cassette deck by the DISC SELECTOR keys on this unit.
5. Press the CCRS key on the cassette deck.

Notes:

1. In PGM (program) mode, CCRS recording cannot be performed .
2. CCRS recording cannot be performed for multiple play of many discs. For each disc, perform the operations given in procedures 4 and 5.

■ CCRS

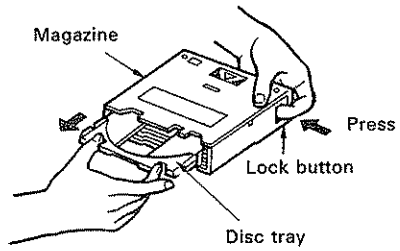
By connecting the SYSTEM CONTROL jack of this unit with the "XS" SYSTEM CONTROL jack of a KENWOOD cassette deck, CCRS recording can be carried out.
The CCRS function is used when recording from a compact disc to a tape in a cassette deck, and operates to adjust the cassette deck's recording level to the optimum setting according to the playing level of the compact disc.
For details on the CCRS function, refer to the instruction manual provided with your cassette deck.
"CCRS" appears on the display window.

Lights up during sampling operation.

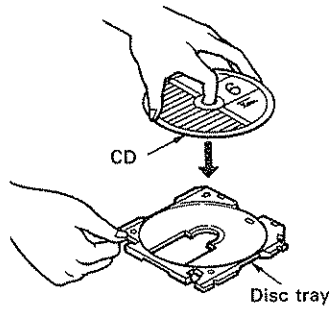
Playing compact disc

■ Insert a disc into the magazine

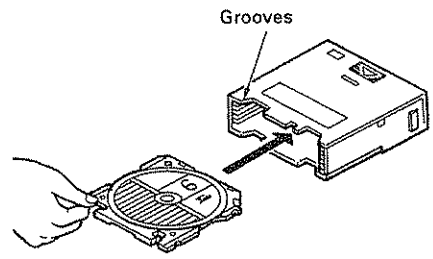
1. Press the magazine lock button and take out the disc tray.



2. With the label upwards, correctly load the disc into the disc tray.



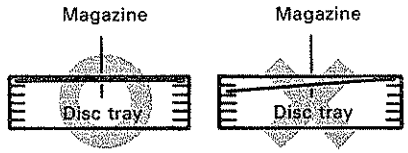
3. Slide the disc tray horizontally along the left side and right side grooves of the magazine and insert it completely.



• It is not necessary to press the lock button.

Notes on handling the magazine:

1. If the disc tray is inserted aslant into the magazine the unit will not operate.

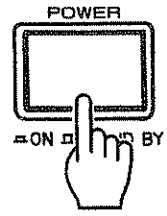


2. The disc must be only inserted in the magazine after it has been inserted in the tray. If it is inserted directly the unit will not operate.
3. Always keep the magazine loaded with six disc trays.
4. After playing the disc, remove it from both the magazine and tray. Store avoiding places of direct sunlight, high temperature and high humidity.
5. Do not alter the magazine or tray in any manner.
6. Do not drop, apply excessive force or subject to shock the magezine or tray.
7. Do not use benzine, paint thinner or cleaning detergents. It is possible that surface will dissolve.

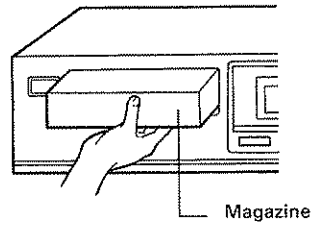
■ How to use the magazine

Loading the magazine

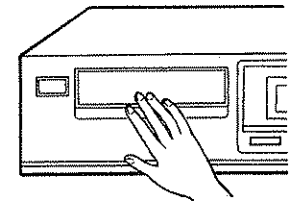
1. Press the POWER switch to turn on.



2. Insert a magazine containing discs.

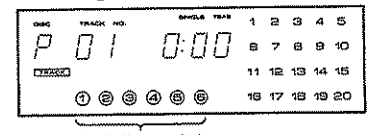


3. Firmly press the magazine unitl a click can be heard.



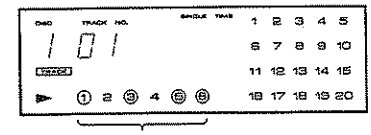
• **Lighting of indicators**

When the magazine is inserted:



All of the disc indicators light up.

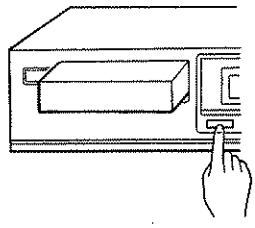
When a disc starts to be played:



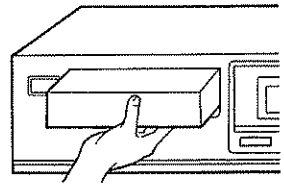
Only the disc indicators of present discs light up.

Ejecting the magazine

1. Press the EJECT key ⏏



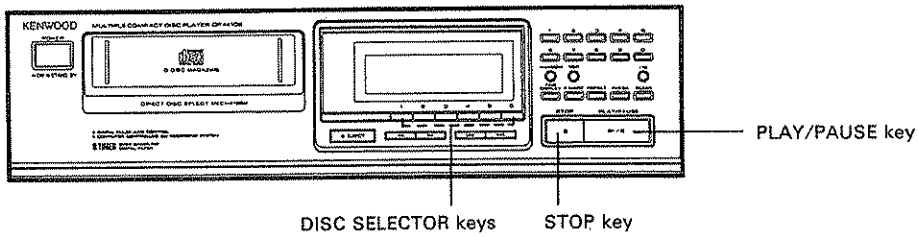
2. Remove the magazine towards you.



Notes:

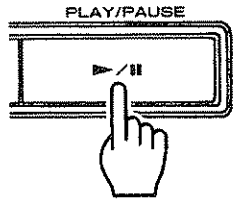
1. When the power is switched on, if a magazine and discs are already inserted, this unit will automatically start to play.
2. Hold the magazine by the central section when inserting or removing it.
3. When the unit is to be transported, be sure to remove the magazine pack from the main body.
4. It will not operate even if the key of a non-illuminated DISC NO. is pressed.

Manual play (Track mode)

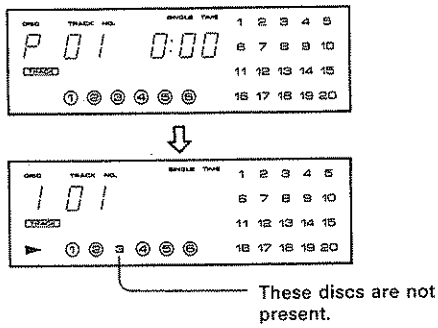


■ To play all discs

① Place up to 6 discs in the magazine pack. Insert the magazine pack into the unit.
② Press the PLAY/PAUSE key [▶/II].



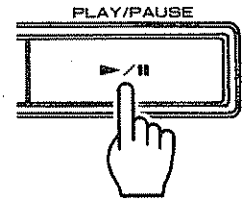
- The discs are played in sequence 1 → 2 → 3 → 4 → 5 → 6 (the tracks on each disc are played from first track No.)
- When all of the discs have been played, the unit enters stop mode.
- If a DISC SELECTOR key is pressed during play, the track currently being played is stopped and the selected disc starts play from first track No..
- When a cartridge does not contain a disc, it is skipped, and the next disc is played. The disc No. of the next disc is shown on the display.



■ To use the pause mode during play

Press the PLAY/PAUSE key [▶/II].

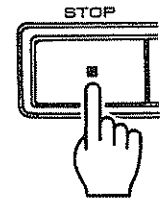
- The pause indicator will light and the play will stop at that point.
- Press the PLAY/PAUSE key [▶/II] again to restart playing from the same point.

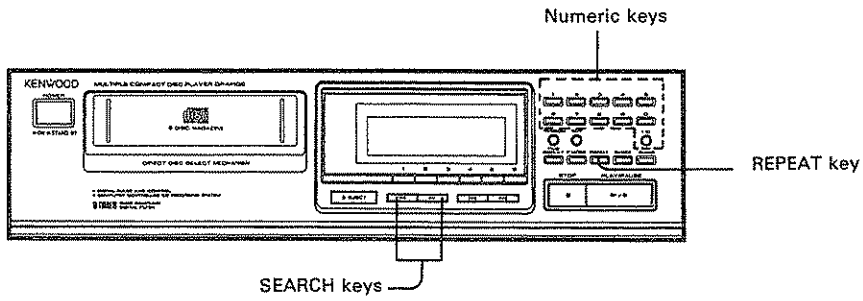


■ To stop disc play

Press the STOP key [■].

- When the STOP key [■] is pressed once, the player enters the stop mode. When the PLAY/PAUSE key [▶/II] is pressed, play will start from the first track on the first disc.

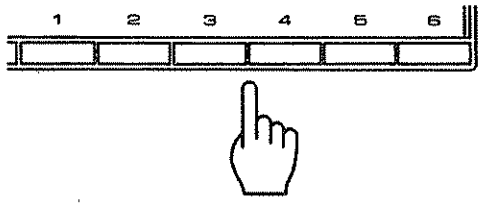




To play from a desired disc

Select the desired disc No. by pressing the DISC SELECTOR key.

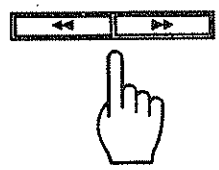
- Play starts from the first tune of the disc selected. When the disc has been played, the disc of the next disc No. will be played, and when all discs have been played, the player enters the stop mode.
- If there is no disc in the selected disc No. the next disc No. will be selected automatically.
- When the DISC SELECTOR key is pressed during play, the play stops. At this time, the disc No. display shows the disc No. selected.
- Once the indicator of a key has gone out, the key has no effect even when it is pressed again.



Forward and reverse searching

During play you can search forward (or backward) at high speed by pressing the SEARCH keys.

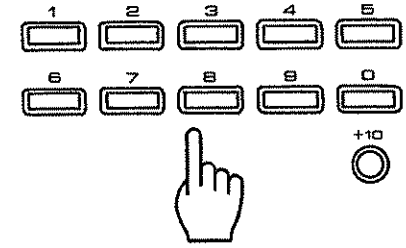
- When one of these keys is pressed during play you will hear a cueing sound as the pickup moves forward or backward across the disc. If you release the key referring to this sound, normal play will be returned from that point.



To play from a specified track

Select a desired track No. by pressing the numeric keys (1 to 0, +10). If the track No. consists of 2 digits, be sure to first select the ten's digit.

- The selected track No. is displayed, the play indicator lights, and then the track is located and played.
- If the selected track No. is larger than the last track No. on the disc, the last track will be played automatically.

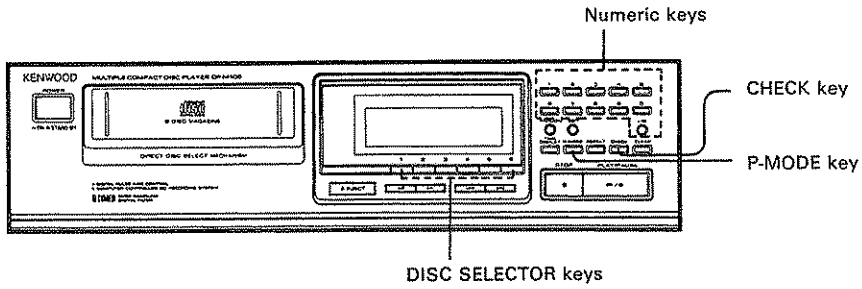


To repeat play

When the REPEAT key is pressed once, player enters the one disc repeat mode. When the REPEAT key is pressed twice, the repeat function will be canceled.

Programmed play (Program mode)

The programmed play allows the desired tunes to be played in the desired order.
The maximum of 32 selections specified from disc numbers of 1 to 6, and track numbers of 1 to 99 can be put into memory.

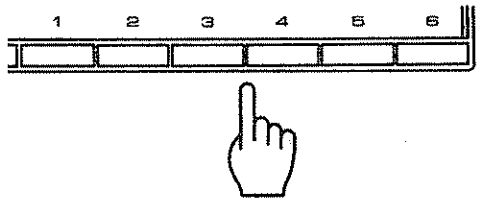


To memorize a program

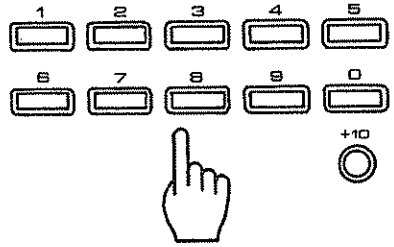
① Press the P-MODE key. The PGM indicator will light.

② Select a desired disc by pressing a DISC SELECTOR key.

- If you press another DISC SELECTOR key in sequence, all the tracks of the previously selected disc are placed in memory with "ALL" lit in the display.

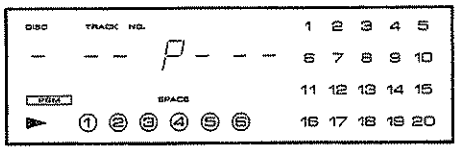


③ Select a desired track No.



④ Repeat steps ② and ③.

- When the number of tunes memorized in the program exceeds 32, the display becomes as shown below.



Auto SPACE function
When in the program mode, interval with no sound of about 4 seconds are created between the programmed tracks.
This function is for making use of the DPSS system on the cassette deck.
If all disc program has been selected for a particular program number, 4 seconds interval are not inserted during play of tracks of that disc.

To check the program contents

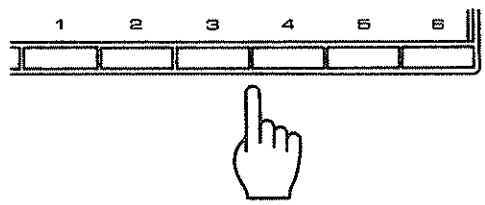
To check the program contents, press the CHECK key.

- Each time the CHECK key is pressed, the disc No. and track No. of the next selection in the program will be displayed.
- The previous display resumes about 4 seconds after the CHECK key is pressed.

To modify the program

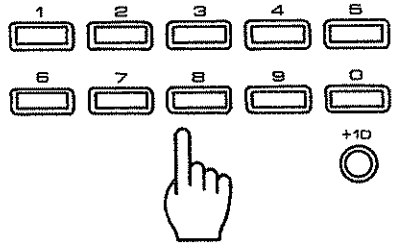
① In programmed play mode, continue to press the CHECK key until the track No. to be modified appears. The program can be modified while P.C. is blinking.

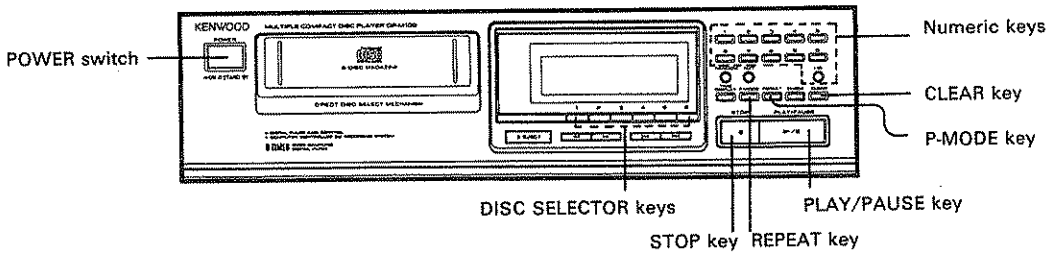
② While P.C. is blinking, select a disc No. to be played with a DISC SELECTOR key.



③ Select a desired track No. by pressing the numeric keys (1 to 0).

- The program change finishes in approx. 4 seconds after the track No. is selected.

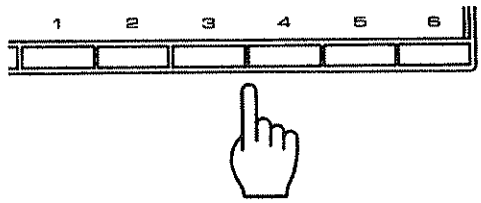




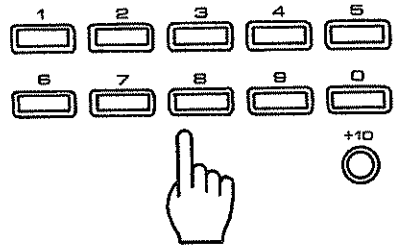
To change the final selection in a program

① In program mode, press the CLEAR key.

② Select a disc No. to be played with a DISC SELECTOR key.



③ Select a track No. to be programmed by pressing the numeric keys (1 to 0, +10).



- At the moment the CLEAR key is pressed once, the final selection in the program is cleared.
- By pressing the CLEAR key several times in sequence, the program contents can be cleared in a backward sequence from the final selection.
- The track being played cannot be erased from the program with the CLEAR key.
- The CLEAR key does not function during checking the program contents.

To start repeat programmed play

When the REPEAT key is pressed once in programmed play mode, the entire program will be played repeatedly. When the REPEAT key is pressed twice, the repeat function will be canceled.

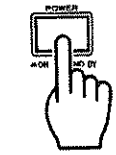
To clear the whole program

All of the program contents is cleared if any of following happens.

① When program mode is canceled by pressing the P-MODE key (so that the PGM indicator goes off).

② When the CLEAR key is pressed for the same number of times as the number of selections in the program.

③ When the POWER switch is switched OFF.

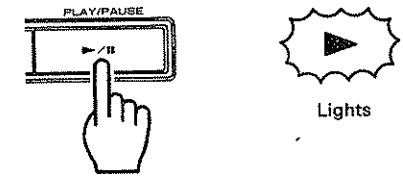


- When the EJECT key ⏏ is pressed (the player enters the track mode).

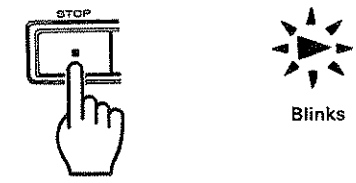
To start programmed play

① Follow the procedure in "To memorize a program".

② Press the PLAY/PAUSE key ▶/II.



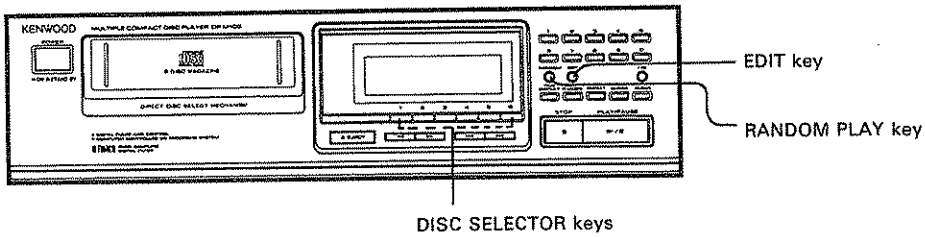
③ To stop programmed play, press the STOP key ■.



- In programmed play, the PGM indicator lights and the program is played from the first selection.
- When the final selection in the program has been played, the unit enters the stop mode.

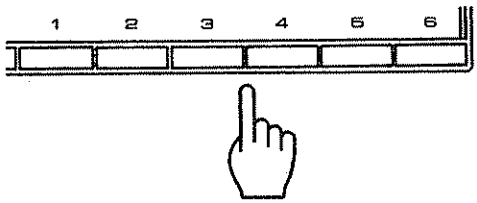
Random playing

This function allows for random selection of the tracks from one or all discs and continuous playing in any order. It is particularly useful for playing so that people will not get tired of the same sequence of music when hearing it for a long time. (Random play cannot function in PGM mode)



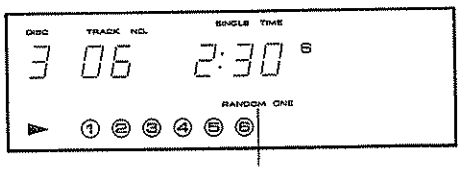
■ How to play the tracks on one disc in a random order

① Select a disc.



② Press the RANDOM key once.

- The RANDOM ONE indicator lights up and the random play starts.



"RANDOM ONE" lights up.

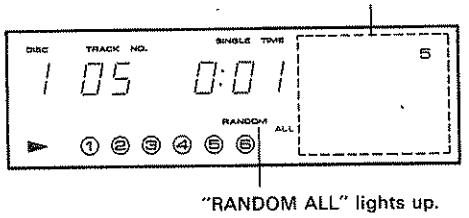
- The tracks on the selected disc only will be played in a random order.

■ How to play the tracks on all discs in a random order

To start the Random-All play, press the RANDOM key twice.

- The RANDOM ALL indicator lights up and the random play starts.

The selected track No. lights up.



"RANDOM ALL" lights up.

- The tracks on all of the discs inside the player will be played in a random order.

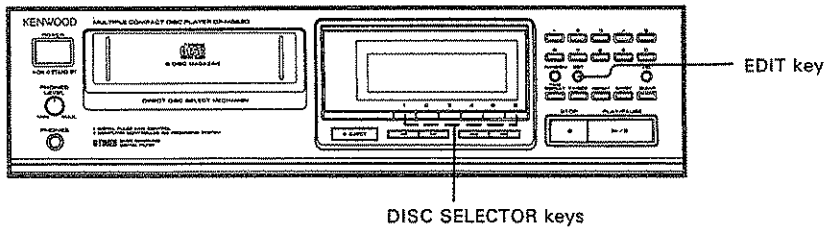
■ To stop random play

Press the STOP key [■].

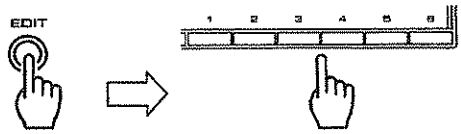
- The random play will be cancelled.

CD Edit recording

This function allows to edit tracks on a disc to a accommodate them within the recording time of a specific tape so that they can be recorded efficiently without any waste of the tape.



① Press the EDIT key of the CD player. Then select a disc.



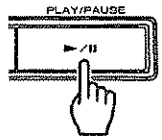
② While the EDIT indicator is lit, enter the recording time of the tape to be used for recording with the numeric keys.

- With a C-60 tape, press the +10 key six times then press the [0] key once.
- With a C-46 tape, press the +10 key four times then press the [6] key once.

Editing is executed as follows.

① The set recording time is divided by two, and tracks which can be accommodated in file A (for tape side A) are edited and programmed in the order of their track Nos.
② Next, the tracks for file B (for tape side B) are also edited in the same manner.

③ Start recording on the cassette deck.
Put the cassette deck in the record mode, and start playing the CD.



- For the recording procedure of the cassette deck, please read the instruction manual provided with the cassette deck.

To check contents of edited program

Press the CHECK key.

- Each time the CHECK key is pressed there after, the track numbers are displayed from the first one on in the order they were edited.

To erase an edited program

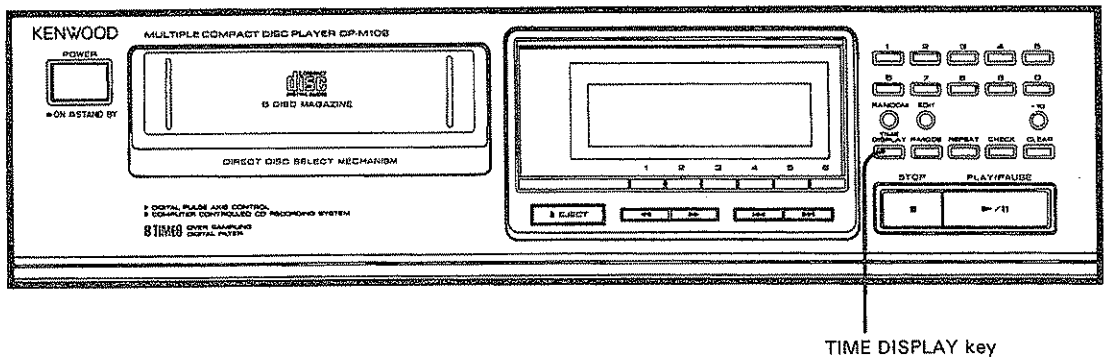
All the contents of edited program will be erased if you perform any of the following operations:

① Pressing the play mode selector and selecting other than program mode.
② Pressing the EJECT key [⏏].
③ Pressing the CLEAR key repeatedly until all the tracks are cleared in the program.
④ Turning off the power.

Notes:

1. Up to a maximum of 20 tracks can be edited using this function.
2. The edit function will not operate if tracks have been programmed.
3. The edit function will not select track numbers above 20.

Time display switching and timer playing



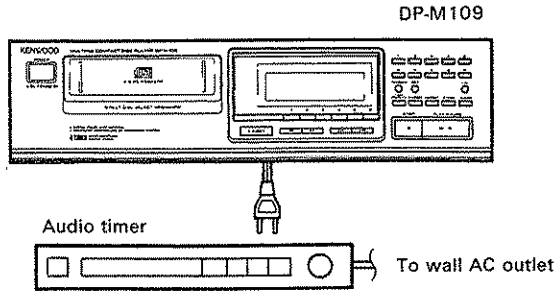
■ To change time display

Each time you press the TIME DISPLAY key during any play mode, the time display changes in the order as below.

While playing in track mode or Edit mode	While playing in program mode or random playing
① The elapsed time for the track SINGLE TIME 1:23 ② The remaining time for the track SINGLE TIME -2:37 ③ The elapsed time for the whole disc TOTAL TIME 23:46 ④ The remaining time for the whole disc TOTAL TIME -36:15	① The elapsed time for the track SINGLE TIME 1:23 ② The remaining time for the track SINGLE TIME -2:37

Note:

This player stores time information for up to 20 tracks stored in the disc. When discs having 21 or more tracks recorded on them are played, the time may not be displayed. In such a case the display may show --:--.



■ Timer playing

Plug the CD player's AC power plug into the audio timer. Load a disc. Leave the CD player's power switch turned on and set the audio timer to the desired time.

- Play will begin from the first track on the disc. (The track mode is selected automatically when the power turns on.)

Notes:

1. Refer to the instruction manual for the timer.
2. Be careful of your amplifier volume setting when using an audio timer.
3. When operating the unit other than the CD player using an audio timer, be sure to remove the disc from the CD player.

In case of difficulty

What appears to be a malfunction may not always be serious. If your unit should not perform as expected, consult the table below to see if the problem can be corrected before seeking help from your dealer or service representative.

Symptom	Cause	Remedy
No power is supplied to the player when the POWER switch is ON.	● The power cord plug is not plugged in completely. ● The power cord plug is connected to a switched outlet on the amplifier and the power to the amplifier is not turned on. ● The transport clamps have not been moved.	● Insert the power cord plug firmly into the outlet. ● Turn on the power to the amplifier. ● Enter the play mode, and move the transport clamps.
A disc is loaded but cannot be played.	● The disc is loaded upside down. ● The disc is very dirty ● The disc is scratched or damaged ● The optical lens is fogged with condensation. ● Transport clampers have not been removed from their original positions.	● Load the disc again, making sure that the label side is up. ● Clean the disc according to the instructions in the "Disc handling precautions" section. ● Replace the disc with a new one. ● Leave the unit for about 1 hour with the power ON so that the condensation evaporates. ● Refer to the instructions in the "Transport screws and clampers" on page 6.
No sound is produced.	● No disc is loaded. ● The unit is not in play mode. (The play indicator (▶) is not lit.) ● The disc is very dirty. ● The disc is scratched or damaged. ● The connection cords are not securely connected.	● Load a disc and press the PLAY/PAUSE key [▶/II]. ● Press the PLAY/PAUSE key [▶/II]. ● Clean the disc according to the instructions in the "Disc handling precautions" section. ● Replace the disc with a new one. ● Securely connect the connection cords.
The sound skips or is interrupted.	● The disc is very dirty. ● The disc is scratched or damaged. ● The player is subjected to vibrations.	● Clean the disc according to the instructions in the "Disc handling precautions" section. ● Replace the disc with a new one. ● Reinstall the unit so that it is not subjected to vibrations by moving the player to a different location, etc.
Play begins as soon as the power is turned on.	● This unit is designed so that play begins automatically when the power is turned on if a disc is already loaded.	● If automatic play is not required, remove the disc from the player before turning the power OFF.

Notes:

1. Since this unit incorporates a microprocessor, external noise or interference may cause the unit to operate abnormally. If this should ever occur, press the POWER switch OFF and then press it ON again after a period of several seconds.
2. Do not use contact cleaner because it could cause a malfunction. Be specially careful against contact cleaners containing oil, for they may deform the plastic components.

Specifications

[Format]

Type ..... Compact disc player
Read system ..... Non-contact optical pick-up
Rotational speed ..... About 200 to 500 rpm

[Audio]

Frequency response ..... 4 Hz ~ 20 kHz ±1.0 dB
Signal-to-noise ratio ..... more than 93 dB
Total harmonic distortion ..... 0.008% at 1 kHz
Channel separation ..... more than 85 dB at 1 kHz
Wow & flutter ..... Below measurable limit
Output
LINE ..... 1.2 V

[General]

Power consumption ..... 15 W
Dimensions ..... W: 440 mm
H: 120 mm
D: 361 mm
Weight ..... 6.0 kg

Note:
KENWOOD follow a policy of continuous advancements in development. For this reason specifications may be changed without notice.

For CANADA
DOC REGULATION
"This digital apparatus does not exceed the CLASS B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian department of communications."

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